



- BRS:
Pending
Active
- L1: (2) ("5418257").PN.
L2: (291) 525/457
L3: (211) 525/468
L4: (263) 525/458
L5: (99) 12 and 14
L6: (455) 12 or 14
L7: (16166) (thermoplastic adj polyurethane) or T
L9: (42482) microsphere
L10: (79432) microsphere or microcapsule
L11: (3) 18 and 19
L12: (3) 18 and 110
L8: (95) 16 and 17
L13: (698) 19 same reinforcing
L14: (54) 17 and 113
L15: (84) expandable adj polymeric adj microsphere
L16: (1520596) fiber or fibre
L17: (10) 115 same 116
L18: (597) expandable adj microsphere
L19: (91) 116 same 118

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possible to color or print some of the reinforcing fabrics before the matrix is put in place. An advantage of doing this is that the color of the reinforcing fabric will not migrate subsequent to curing of the matrix, the color being shielded from UV rays, abrasion, and similar hazards by the urethane matrix which by itself can be clear, allowing the use of printing materials and techniques that might be otherwise unqualified because of marking off or the like.

(33) In another embodiment of the invention, the fibrous component may be replaced in whole or in part or supplemented by the addition of particulate reinforcement or filler or colorant material. This may include, for example, metal, plastic or rubber particles, minerals or inorganic filler materials, or organic pigments. Other examples of such particulate reinforcing materials include silicon carbide, silica, carbon black, zinc oxide, titanium dioxide, organic pigments or microspheres.

DRAWING DESCRIPTION:

The invention is illustrated by the accompanying drawings wherein FIGS. 1-6 schematically show various aspects of the invention.

More specifically, FIGS. 1(a)-1(e) generally illustrate the process of the invention wherein three plies of fabric (2) are laid one on top of the other as shown in FIG. 1(a) on an appropriate support member or base (4). The layup is then thoroughly wet as shown in FIG. 1(b) with the liquid urethane-forming

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U	Document ID	Issue Date	Pages	Title	Current OR	Current XRef	Retrieval C	Inventor	S	C	P
45	US 6247818 B1	20010619		Method for making retroreflective elements	359/540	359/539; 359/900;		Hedblom; Thomas P. et al.			
46	US 6242525 B1	20010605		Thermoplastic elastomers of high strength and elasticity	524/525	428/35.7; 524/526;		Raetzsch; Manfred et al.			
47	US 6217252 B1	20010417		Wear-resistant transportation surface	404/77	404/72; 404/79;		Tolliver; Howard R. et al.			
48	US 6156403 A	20001205	11	Composite materials and products made therefrom	428/58	428/378; 428/383;		Cochran; William H.			
49	US 6103152 A	20000815	22	Articles that include a polymer foam and method for	264/45.4	264/45.9; 428/313.5;		Gehlsen; Mark D. et al.			
50	US 5874133 A	19990223	11	Process for making a polyurethane composite	427/299	427/196; 427/532;		Cochran; William H.			
51	US 5124178 A	19920623	13	Skid-resistant surface marking material	427/204	427/136; 427/137		Haengggi; Robert A. et al.			
52	US 5094902 A	19920310	13	Skid-resistant surface marking material	428/150	428/149		Haengggi; Robert A. et al.			
53	US 5053253 A	19911001	11	Skid-resistant pavement markings	427/204	427/136; 427/137		Haengggi; Robert A. et al.			
54	US 4937127 A	19900626	12	Skid-resistant pavement markings	428/148	428/149; 428/150;		Haengggi; Robert A. et al.			

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